The Mining Journal

Established 1835

INDEX

To VOLUME TWO-HUNDRED-AND-FORTY-ONE

JULY - DECEMBER 1953

INDEX CLASSIFICATION

Metals and Minerals - - - Page 1
Countries - - - - Page 3
Men, Methods and Machines - - Page 5
Companies and other Public Bodies - - Page 6

Metals and Minerals

ALUMINIUM
The development of Canada's mineral industry .. .. N 38
Brazil .. .. .. C 71, 657
Bauxite and aluminium in Asia and the Far East .. .. A 76
The non-ferrous metals .. A 216
Mineral industries — key to Canada's expansion .. A 269
Aluminium in iron and steel .. R 300
Advantages of cold welding aluminium .. .. .. R 504
Aluminium production in Austria .. .. N 556
The long term outlook for the metals .. .. .. A 560
The benefits of continuous casting .. .. N 619
(*See also* weekly notes under "Metals, Minerals & Alloys")

ANTHRACITE
The coal industry .. .. C 334
Preliminary testing of a Brieden pneumatic packing machine in U.S. anthracite mine .. A 388
Automotive machine in anthracite mine .. .. .. M 756

ANTIMONY
Metals, Minerals and Alloys .. MT 45, 306, 487, 515, 665, 728
Non-ferrous metals in Asia and the Far East .. .. .. A 133
The non-ferrous metals .. A 216
Mexican metal exports Jan.-June 1953 .. .. .. C 364

APATITE
Portugal .. .. .. C 438

ARSENIC
Portugal .. .. .. C 657

ASBESTOS
The mining industry of Finland A 14
Australia .. .. .. C 39
Mining areas of S. Africa outside Witwatersrand .. .. A 40
Mining progress in Cyprus .. N 161
Asbestos producers' markets weakening in S. Rhodesia .. N 188
Reclamation of asbestos .. A 217
Canada .. .. C 240
The alloying metals, precious metals and non-metallics .. A 243
The pattern of production in S. Rhodesia changing .. N 265
Mineral industries — key to Canada's expansion .. A 269
Twilight of New Zealand mining deepens .. .. .. N 618
Metals, Minerals and Alloys .. MT 596
Weak asbestos markets hurt New Monteleo .. .. CS 758

BASTNAESITE
Concentration of cerium ores .. T 170
Recent mining expansion in the Congo .. .. .. A 532

BAUXITE
Bauxite and aluminium in Asia and the Far East .. .. A 76
The non-ferrous metals .. A 216
Some French prospecting and development projects .. N 266
The portent of British Guiana N 408
Brazil .. .. C 468
The composition and origin of the Antrim laterites and bauxites .. .. .. R 476
Minerals investigations in British Guiana .. .. .. N 656
Materials survey, bauxite .. R 756

BENTONITE
Twilight of New Zealand mining deepens .. .. .. N 618

BERYLLIUM
Non-ferrous metals in Asia and the Far East .. .. .. A 133
Portugal .. .. .. C 657
The production and uses of beryllium Part I .. .. A 661
Ditto Part II .. .. .. A 724
Namaqualand's mineral wealth A 751

BISMUTH
Mexican metals exports Jan.-June 1953 .. .. .. C 364
Some light on the nationalization of Bolivian mines .. N 467
The long-term outlook for the metals .. .. .. A 560
Potentialities of Trepca Mines, Jugoslavia .. .. .. A 662
Namaqualand's mineral wealth A 751

BROMINE
A general survey of Russian mineral resources .. .. A 189

CADMIUM
Recent mining expansion in the Congo .. .. .. A 532

CASSITERITE
Portugal .. .. .. C 438
The outlook for Geomines .. N 686

CERIUM
Concentration of cerium ores .. T 170

CHINA CLAY
Norway's mineral and metal trade .. .. C 515

CHROME
Mining areas of South Africa outside Witwatersrand .. A 40
Ion exchange system for chromate recovery .. .. .. T 45
Brazil .. .. C 71
Non-ferrous metals in Asia and the Far East .. .. .. A 133
Mining progress in Cyprus .. N 161
The alloying metals, precious metals and non-metallics .. A 243

KEY TO CODE LETTERS

A	*Articles*	**DR**	*Directors' Reports*	**MM**	*Mining Men and Matters*
C	*Our own Correspondent*	**J**	*Company News and Views*	**MR**	*Mine Returns*
CN	*Company Notices*	**L**	*Correspondence*	**MT**	*Metals, Minerals and Alloys*
CS	*Company Shorts*	**M**	*Machinery and Equipment*	**N**	*Notes and Comments*
Div	*Dividends*	**ME**	*Company Meetings*	**Ob**	*Obituaries*
				R	*Reviews*
				S	*Mining Share Markets*
				T	*Technical Briefs*

This Index shows the wide variety of interests covered in connection with mining and its allied industries and well illustrates the wide appeal of *The Mining Journal*.

PLEASE FILE THIS INDEX

Metals, Minerals and Alloys .. MT 247, 446
The changing pattern of production in S. Rhodesia .. N 265
A review of chromite resources, Part I .. .. .. A 295
Ditto Part II .. .. .. A 362
Western U.S. .. .. .. C 499
Mineral possibilities of Andhra State, India .. .. .. A 660

CLAY
A general survey of Russian mineral resources .. .. A 189

COAL — AFRICA
Mining areas of South Africa outside Witwatersrand .. A 40
The changing pattern of production in S. Rhodesia .. N 265
Oil from coal in South Africa .. N 358
South Africa .. .. .. C 439
Recent mining expansion in the Congo .. .. .. A 532

COAL — THE AMERICAS
High speed drivage in coal .. A 193
Mexico .. .. C 266
Brazil .. .. C 657

COAL — ASIA
A general survey of Russian mineral resources .. .. A 189
Mining in Korea .. .. A 391
Mineral possibilities of Andhra State, India .. .. .. A 660

COAL — AUSTRALASIA
Twilight of New Zealand mining deepens .. .. .. N 618

COAL — EUROPE
Shaft design and choice of winding equipment at Ruhr collieries .. .. .. A 73
Influence of the planning of shaft-winding plant upon surface plant lay-out at Ruhr Collieries .. .. .. A 108
Mid-year assessments of the coal industry .. .. A 167
Underground gasification of coal .. .. .. N 214
Schuman plan — the next step N 326
The Leipzig Fair .. .. C 326
Community or cartel .. .. N 750

COAL — GREAT BRITAIN
Mid-year assessments of the *coal industry* .. .. .. A 167
Koepe winder towers at Rothes Colliery, Fife .. .. A 168
U.K. Mines Inspectorate Reports for 1951 .. .. N 238
Hydraulic transport of solids .. A 296
The coal industry .. .. C 334
N.C.B. makes small profit in June quarter .. .. N 358
Colliery Year Book and Coal Trades Directory 1953 .. R 366
Restoring personal responsibility to colliery management N 497
The coal industry .. .. C 531
The Mid-Cannock and Cannock *and Leacroft Collieries* reconstruction scheme .. A 622
Experiments in roof and floor bolting in Scotland .. .. A 692
New methods and applications in the U.K. coal industry .. A 726

COAL — VARIOUS
Coal preparation plant .. M 110
The gasification of coal — a survey of recent experiments A 218

COBALT
Brazil .. .. .. C 71, 657
The alloying metals, precious metals and non-metallics .. A 243
Some French prospecting and development projects .. N 266
Relaxation of stockpiling .. N 292
Recent mining expansion in the Congo .. .. .. A 532

COLUMBITE
Non-ferrous metals in Asia and the Far East .. .. .. A 133
Portugal .. .. C 191, 657
Namaqualand's mineral wealth A 751

COLUMBIUM
Minerals investigations in British Guiana .. .. .. N 656

COPPER
The mining industry of Finland A 14
Australia .. C 39, 215, 587
Mining areas of South Africa outside Witwatersrand .. A 40
Brazil .. .. C 71
Copper Institute's monthly returns .. .. .. MT 110
The London Metal Exchange prepares to resume copper dealings next week .. .. N 132

Non-ferrous metals in Asia and the Far East .. .. .. A 133
Mining in Cyprus .. .. N 161
Western U.S. .. C 163, 499, 718
Leaching copper ores *in situ* .. T 170
Nchanga and the current copper outlook .. .. J 174
A general survey of Russian mineral resources .. .. A 189
Copperbelt companies conclude power agreement with Union Minière .. .. .. N 213
Copperbelt dispute still simmering .. .. .. N 214
The non-ferrous metals .. A 216
Some French prospecting and development projects .. N 266
Relaxation of stockpiling N 292
Stability in International metal markets .. .. .. C 328
Mr. Prain on copper .. .. N 358
Mexican metal exports Jan.-June 1953 .. .. .. C 364
Recent mining expansion in the Congo .. .. .. A 532
Politics intrude on the metal markets .. .. .. N 555
Canada .. .. C 557
The long-term outlook for the metals .. .. .. A 560
Refining copper in rotary furnace .. .. .. T 592
The level of base metal prices .. A 593
Mexico .. .. C 619
Mineral possibilities of Andhra State, India .. .. .. A 660
Chile resumes copper sales .. N 717
Namaqualand's mineral wealth A 751
(*See also* weekly reports under "Metals, Minerals & Alloys" and Mining Share Markets)

CORUNDUM
Namaqualand's mineral wealth A 751

DIAMONDS
Mining areas of South Africa outside Witwatersrand .. A 40
Diamond recovery by grease belt .. .. .. A 169
A general survey of Russian mineral resources .. .. A 189
The Belgian Congo .. .. C 214
Australia .. .. C 215
The portent of British Guiana .. N 409
The Mujgawon diamond deposits of the Panna district .. A 442
Higher industrial diamond turnover .. .. CS 450
Recent mining expansion in the Congo .. .. .. A 532
Mineral possibilities of Andhra State, India .. .. .. A 660
Metals, Minerals and Alloys .. MT 728
Namaqualand's mineral wealth A 751

FLUORSPAR
Western U.S. .. .. .. C 163

GERMANIUM
Research and U.S. mineral industry .. .. .. N 37
Germanium ingots produced by *continuous three-phase* process .. .. T 170
Recent mining expansion in the Congo .. .. .. A 532
The long-term outlook for the metals .. .. A 560
Metals, Minerals and Alloys .. MT 564

GOLD — AUSTRALASIA
Australia .. .. C 37, 359, 411
Western Australia's Golden Mile .. .. A 471
The twilight of New Zealand mining deepens .. .. N 618
Australian monthly gold mine returns for October .. .. MR 669

GOLD — CANADA
Western U.S. .. .. .. C 11
Canada .. .. C 72, 240, 387, 719
Mineral industries — key to Canada's expansion .. A 269

GOLD — INDIA
Indian monthly gold mine returns .. .. .. MR 200, 372, 509, 568, 757
Mineral possibilities of Andhra State, India .. .. .. A 660

GOLD — SOUTH AFRICA
Mr. McLean on the Union's gold industry .. .. .. N 10
Mining areas of South Africa outside Witwatersrand .. A 40
South African monthly gold mine returns .. .. MR 49, 199, 307, 424, 545, 698
Labour, power and water in South Africa .. .. .. N 102
Shortage of native labour in the South African gold mining industry .. .. .. A 104

Gold Mines' tax contribution recognized in South African Budget .. .. .. J 114
The supply of electric power .. A 136
Rand and O.F.S. June quarterly results .. .. .. A 144
Mr. Havenga on the need for higher gold price .. .. N 468
Union drops "processing" obligation for Free Gold market J 508
Rand and O.F.S. September quarterly results .. .. A 537
South Africa .. .. .. C 557
Robert Annan puts Kaffirs in focus .. .. N 717
Rand dividend season opens .. J 731
Rand dividend season closes .. J 757
(*See also* weekly report under "Metals, Minerals & Alloys" and Mining Share Markets)

GOLD — SOUTHERN RHODESIA
The changing pattern of production in Southern Rhodesia N 265
Revival of gold subsidy in Rhodesia ? .. .. .. N 499
Southern Rhodesian monthly gold mine return for October MR 699

GOLD — WEST AFRICA
West African monthly gold mine returns .. .. .. MR 83, 199, 340, 450, 599, 757

GOLD — VARIOUS
The mining industry of Finland A 14
The battle of the gap .. .. N 69
Recovering minute gold contents from chloridized residues .. .. A 138
Western U.S. .. .. .. C 163
The alloying metals, precious metals and non-metallics .. A 243
There's gold in them thar hills ! N 292
Mining in Korea .. .. A 391
Portent of British Guiana .. N 409
The American Mining Congress 1953 .. .. N 410
Gold premium at vanishing point .. .. N 530
Recent mining expansion in the Congo .. .. .. A 532
Miscellaneous gold mine returns for October .. .. .. MR 669
Rehabilitation of the Bangkalis gold mines .. .. .. N 750
Namaqualand's mineral wealth A 751
Metals, Minerals and Alloys .. MT 46, 80, 196, 247, 369, 446, 564, 596, 665

GRANITE
Uranium from Rhodesian granites .. .. N 162

GRAPHITE
Non-ferrous metals in Asia and *the Far East* .. .. .. A 133
Mining in Korea .. .. .. A 391
Brazil .. .. C 468

GYPSUM
Mining progress in Cyprus .. N 161

ILMENITE
India and Ceylon .. .. C 103
Non-ferrous metals in Asia and *the Far East* .. .. .. A 133
Portugal .. .. .. C 438
Brazil .. .. C 468

INDIUM
The long-term outlook for the metals .. .. .. A 560

IRIDIUM
Wollaston and the platinum metals .. .. .. A 470

IRON AND STEEL — EUROPE
The mining industry of Finland A 14
Some French prospecting and development projects .. N 266
The Leipzig Fair .. .. C 326
Portugal .. .. .. C 657
Community or cartel .. .. N 750
Productivity in European foundries .. .. A 754

IRON AND STEEL — GREAT BRITAIN
Steel denationalization .. N 70
Steel production in the British Commonwealth .. .. A 107
Taking stock .. .. .. N 291
Outlook for the U.K. iron and steel industry .. .. N 358
How much steel ? .. .. N 437
British Iron and Steel Federation Statistical Year Book for 1952 .. .. .. R 476
(*See also* weekly report under "Metals, Minerals & Alloys")

IRON AND STEEL — NORTH AMERICA
Canada .. .. C 72
Steel production in the British Commonwealth .. .. A 107
Western U.S. .. .. C 327, 469
Iron ore from nickel ores .. A 361
Mexican metal exports Jan.-June 1953 .. .. .. A 364
The long-term outlook for the metals .. .. .. A 560

IRON AND STEEL — VARIOUS
Mining areas of South Africa outside Witwatersrand .. A 40
Brazil .. .. C 71, 468, 657
Direct steel-making in the electro-furnace .. .. T 170
Mexico .. .. C 266
Aluminium in iron and steel R 300
A magnetic separator for the mining industry .. .. M 301
Mining in Korea .. .. A 391
The roasting of lean ores .. T 445
New super alloys .. .. T 445
The shifting scene in the iron and steel industry .. .. N 555
Mineral possibilities of Andhra State, India .. .. .. A 660
Spheroidal graphite cast iron .. T 694
The Sirigao iron ore mine, Goa A 753

LEAD
Western U.S. C 11, 162, 327, 469, 718
Australia .. .. .. C 39
Mining areas of South Africa outside Witwatersrand .. A 40
Brazil .. .. C 71
Non-ferrous metals in Asia and the Far East .. .. .. A 133
The non-ferrous metals .. A 216
Some French prospecting and development projects .. N 266
Thailand's mineral resources .. A 267
A lead-steel bonding technique T 272
Mexican metal exports, Jan.-June 1953 .. .. .. C 364
Mining in Korea .. .. .. A 391
The American Mining Congress 1953 .. .. N 410
Some light on the nationalization of Bolivian mines .. N 467
Politics intrude on the metal market .. .. .. N 555
Canada .. .. C 557
The long-term outlook for the metals .. .. .. A 560
A champion for U.K. metal mining .. .. .. N 586
The level of base metal prices .. A 593
Mexico .. .. C 619
Potentialities of Trepca Mines, Jugoslavia .. .. .. A 662
(*See also* weekly notes under "Metals, Minerals & Alloys" and Mining Share Markets)

LIGNITE
A general survey of Russian mineral resources .. .. A 189

LIMESTONE
The Mining industry of Finland A 14

LITHIUM
The long-term outlook for the metals .. .. A 560
Namaqualand's mineral wealth A 751

MAGNESITE
Brazil .. .. C 468
Spain .. .. C 686

MAGNESIUM
Brazil .. .. C 71
A general survey of Russian mineral resources .. .. A 189
Metals, minerals and alloys .. MT 247, 393, 419
Western U.S. .. .. .. C 327
The long-term outlook for the metals .. .. .. A 560

MANGANESE
Mining areas of South Africa outside Witwatersrand .. A 40
Brazil .. .. C 71, 468, 657
Metals, minerals and alloys .. MT 81, 111, 196, 247, 446, 539
Ceylon and India .. .. C 103
Korea and Moscow .. .. N 131
Non-ferrous metals in Asia and the Far East .. .. .. A 133
Western U.S. .. .. C 163, 327, 718
Portugal .. .. C 240
The alloying metals, precious metals and non-metallics .. A 243
Conservation of manganese .. A 440
Recent mining expansion in the Congo .. .. .. A 532
Minerals investigation in British Guiana .. .. .. N 656
Mineral possibilities of Andhra State, India .. .. .. A 660
Potentialities of Trepca Mines, Jugoslavia .. .. .. A 661
British Guiana's manganese deposits .. .. .. N 718

MERCURY
Mexican metal exports, Jan.-June 1953 .. .. .. C 364

MICA
Non-ferrous metals in Asia and the Far East .. .. .. A 133
The alloying metals, precious metals and non-metallics .. A 243
Brazil .. .. C 468
Mineral possibilities of Andhra State, India .. .. .. A 660
Namaqualand's mineral wealth A 751

MOLYBDENUM
Metals, minerals and alloys .. MT 46, 369, 505
The alloying metals, precious metals and non-metallics .. A 243
Western U.S. .. .. .. C 499
Brazil .. .. C 657

MONAZITE
India and Ceylon .. .. C 103
Non-ferrous metals in Asia and the Far East .. .. .. A 133
Recent mining expansion in the Congo .. .. .. A 532
Namaqualand's mineral wealth A 751

NICKEL
Metals, minerals and alloys .. MT 19, 196, 216, 369, 446, 728
New nickel plating process .. T 45
Canada .. .. C 72, 240, 719
The alloying metals, precious metals and non-metallics .. A 243
Some French prospecting and development projects .. N 266
Mineral industries — key to Canada's expansion .. A 269
Relaxation of stockpiling .. N 292
Accessories in nickel converter practice .. .. A 360
Iron ore from nickel ores .. A 361
Western U.S. .. .. .. C 499
Brazil .. .. C 657
Melting by electric furnace .. M 663
Developments at INCO .. A 755

NIOBIUM
The geochemical association of niobium and titanium .. T 445
Metals, minerals and alloys .. MT 596

OIL
Research and the U.S. mineral industry .. .. .. N 37
Canada .. .. C 72
Mineral industries — key to Canada's expansion .. A 269
Oil from coal in South Africa .. N 358
The prospecting and commercial exploitation of oil in the U.K. A 365
Australia .. .. .. C 411
South Africa .. .. .. C 438
The strike wave .. .. N 468
Twilight of New Zealand mining deepens .. .. .. N 618
Monthly oil outputs .. MR 670, 757
Fresh oil resources .. .. N 686
Zinc Corporation joins in oil hunt .. .. CS 758

PALLADIUM
Wollaston and the platinum metals .. .. .. A 470
Recent mining expansion in the Congo .. .. .. A 532

PERLITE
Perlite and its uses .. .. A 412

PHOSPHATES
Western U.S. .. .. .. C 163
Brazil's fertilizers .. .. A 244
Some French prospecting and development projects .. N 266

PLATINUM
Mining areas of South Africa outside the Witwatersrand .. A 40
Metals, minerals and alloys .. MT 111, 141, 273, 369, 564, 665
Korea and Moscow .. .. N 131
The alloying metals, precious metals and non-metallics .. A 243
Wollaston and the platinum metals .. .. .. A 470
Recent mining expansion in the Congo .. .. .. A 532

POTASH
Brazil's fertilizers .. .. A 244
The Leipzig Fair .. .. C 326

QUARTZ
Brazil .. .. C 468

QUICKSILVER
Metals, minerals and alloys .. MT 112, 222, 337, 368, 446, 477, 564, 596
Spain .. .. C 686

RHODIUM
Wollaston and the platinum metals .. .. .. A 470

ROCK WOOL
Rock wool and its applications A 535

RUTHENIUM
Wollaston and the platinum metals .. .. .. A 470

RUTILE
Brazil .. .. C 468

SCHEELITE
Non-ferrous metals in Asia and the Far East .. .. .. A 133
Twilight of New Zealand mining deepens .. .. .. N 618
Namaqualand's mineral wealth A 751

SELENIUM
Selenium — a scarce by-product metal .. .. .. A 241
A possible source of selenium in the U.K. .. .. .. T 445

SERPENTINE
Twilight of New Zealand mining deepens .. .. .. N 618

SILLIMANITE
Namaqualand's mineral wealth A 751

SILICON
The long-term outlook for the metals .. .. .. A 560
The wetting of airborne silica dusts .. .. T 592
Twilight of New Zealand mining deepens .. .. .. N 618

SILVER
Western U.S. .. .. C 11, 163
Canada .. .. C 72
Mexico .. .. C 266
Metals, minerals and alloys .. MT 273, 338, 446, 564, 728

SLAG
Uses for blast-furnace slag .. R 504

SLATE
New building material industry T 272

SPODUMENE
Namaqualand's mineral wealth A 751

STILLITE
Rock wool and its applications A 535

SULPHUR
Twilight of New Zealand mining deepens .. .. .. N 618
Potentialities of Trepca Mines, Jugoslavia .. .. .. A 662

TACONITE
Taconite blasting experiments .. M 110

TANTALITE
Portugal .. .. .. C 190
Namaqualand's mineral wealth A 751

TANTALUM
Metals, minerals and alloys .. MT 505, 695
Recent mining expansion in the Congo .. .. .. A 532

TIN
The International Tin Study Group's working party .. N 9
Electrolytic tin plate may benefit the tin producers .. .. N 9
Gravel pump mining in Malaya A 15
Monthly tin mine returns .. MR 115, 341, 600, 670
Quarterly tin mine returns MR 115, 600
Non-ferrous metals in Asia and the Far East .. .. .. A 133
Portugal .. C 190, 240, 657
The non-ferrous metals .. A 216
Thailand's mineral resources .. A 267
Relaxation of stockpiling .. N 292
Stability in international metal markets .. .. .. A 328
Welsh tinplate industry .. N 386
Bolivian tin deposits .. .. N 437
Some light on the nationalization of Bolivian mines .. N 467
Recent mining expansion in the Congo .. .. .. A 532
Politics intrude on the metal markets .. .. .. N 555
The long-term outlook for the metals .. .. .. A 560
The Tin Conference opens .. N 585
A champion for U.K. metal mining .. .. .. N 586
Australia .. .. .. C 587
The level of base metal prices .. A 593
The nigger in the stockpile .. N 654
International Tin Study Group 1953 Statistical Supplement .. R 664
The Geneva Tin Conference ends .. .. N 685
The International Tin Agreement .. .. .. MT 696
Tronoh Mines oppose tin control agreement .. .. J 731
Western U.S. .. .. .. C 750
Materials Survey, Tin .. .. R 756
(*See also* weekly report under "Metals, Minerals & Alloys" and Mining Share Markets)

TITANIUM
Research and the U.S. mineral industry .. .. .. N 37
Ceylon and India .. .. C 103
Treatment of low-grade titaniferous ores .. .. .. T 170
Metals, minerals and alloys .. MT 171, 196, 505, 564, 627, 665
The alloying metals, precious metals and non-metallics .. A 243
The geochemical association of niobium and titanium .. T 445
Western U.S. .. .. .. C 469
Long-term outlook for the metals .. .. .. A 560

TUNGSTEN
Western U.S. .. .. C 11, 163, 327, 469, 499, 718
Brazil .. .. C 71, 468, 657
Portugal .. .. C 132, 190, 240, 438, 657
Non-ferrous metals in Asia and the Far East .. .. .. A 133
A general survey of Russian mineral resources .. .. A 189
The alloying metals, precious metals and non-metallics .. A 243
The changing pattern of production in Southern Rhodesia N 265
Thailand's mineral resources .. A 267
Mining in Korea .. .. .. A 391
Namaqualand's mineral wealth A 751
(*See also* under weekly "Metals, Minerals & Alloys")

URANIUM
Mr. McLean on the Union's gold industry .. .. .. N 10
Metals, minerals and alloys .. MT 19, 81, 247, 477, 665, 695
Western U.S. .. .. C 11, 163, 469, 499, 719
Ceylon and India .. .. C 103
The alloying metals, precious metals and non-metallics .. A 243
U.K. imports of Australian uranium .. .. .. N 410
Australia .. .. .. C 411
Failure of talks on Australian uranium imports .. .. N 438
Geobotanical techniques in uranium prospecting .. .. T 445
Activities on Canadian uranium properties during 1952 .. A 503
A revised view of Australian uranium prospects .. .. N 530
Atomic energy corporation formed in the U.K. .. .. N 556
South Africa .. .. C 557, 687
Opportunities in uranium mining .. .. A 620
Dominion Reefs to produce uranium .. .. .. CS 671
Canada .. .. C 719

VANADIUM
The alloying metals, precious metals and non-metallics .. A 243

WOLFRAM
Non-ferrous metals in Asia and the Far East .. .. .. A 133
Wolfram mining methods in Thailand .. .. .. M 302
Portugal .. .. C 439, 657
Metals, minerals and alloys .. MT 446
Recent mining expansion in the Congo .. .. .. A 532

ZINC
Western U.S. .. .. C 11, 163, 327, 469, 499, 718
The mining industry of Finland A 14
Australia .. .. .. C 39
Brazil .. .. .. C 71, 657
Canada .. .. .. C 72, 557
Ceylon and India .. .. C 103
Non-ferrous metals in Asia and the Far East .. .. .. A 133
The non-ferrous metals .. A 216
An automatic zinc sampler .. M 246
Mineral industries — key to Canada's expansion .. .. A 269
Stability in international metal markets .. .. .. A 328
Mexican metal exports, Jan.-June 1953 .. .. .. C 364
Mining in Korea .. .. .. A 391
The American Mining Congress 1953 .. .. N 410
Some light on the nationalization of Bolivian mines .. N 467
Recent mining expansion in the Congo .. .. .. A 532
Politics intrude on the metal market .. .. .. N 555
The long-term outlook for the metals .. .. .. A 560
A champion for U.K. metal mining .. .. .. N 586
The level of base metal prices .. A 593
Mexico .. .. C 619
Potentialities of Trepca Mines, Jugoslavia .. .. .. A 662
Spain .. .. C 686
(*See also* weekly report under "Metals, Minerals & Alloys" and Mining Share Markets)

ZIRCONIUM
Research and the U.S. mineral industry .. .. .. N 37
Metals, minerals and alloys .. MT 304, 393, 539
Long-term outlook for the metals .. .. .. A 560

Countries

ALGERIA
Some French prospecting and development projects .. N 266

AUSTRALIA
Australia .. .. .. C 39, 215, 359, 411, 587
Mining and Industrial Yearbook of Australia, 1952 .. R 79
Australia's mine installs world's largest fan .. .. .. A 268
Stability in International Metal markets .. .. .. A 328
U.K. imports of Australian uranium .. .. .. N 410
Failure of talks on Australian uranium imports .. .. N 438
A revised view of Australian uranium prospects .. .. N 530
Opportunities in uranium mining .. .. A 620
Australian gold mine returns .. MR 669
Fresh oil resources .. .. N 686

AUSTRIA
Aluminium production in Austria .. .. N 556

BELGIUM
Mid-year assessments of the coal industry .. .. .. A 167
Underground gasification of coal .. .. N 214
The gasification of coal — a survey of recent experiments A 218
Productivity in European foundries .. .. A 754

BELGIAN CONGO
Belgian Congo .. C 162, 214, 656
Recent mining expansion in the Congo .. .. .. A 532
Opportunities in uranium mining .. .. A 620
The nigger in the stockpile .. N 655
The outlook for Geomines .. N 686
Belgian Congo mineral output C 687

BOLIVIA
Bolivian tin deposits .. .. N 437
Some light on the nationalization of Bolivian mines .. N 467
The nigger in the stockpile .. N 655

BRAZIL
Brazil .. .. C 71, 468, 657
Brazil's fertilizers .. .. A 244

BRITISH GUIANA
The portent of British Guiana .. N 408
The strike wave .. .. .. N 468
British Guiana—a danger signal N 529
Minerals investigations in British Guiana .. .. .. N 656
British Guiana's manganese deposits .. .. .. N 718

BULGARIA
The Leipzig Fair .. .. C 326

BURMA

Progress of geological surveying in the Far East .. .. *A 12*
Non-ferrous metals in Asia and the Far East .. .. .. A 133

CANADA

The development of Canada's mineral industry .. .. C 38
Geological survey of Canada .. *C 72, 240, 387, 557, 719*
Canada .. .. C 72, 240, 387, 557, 719
Switching facilities for Canadian dollar securities restored .. J 224
The implication of Canadian switching facilities .. .. N 239
Outlook for some leading Canadian shares .. .. .. N 239
Mineral industries—key to Canada's expansion .. A 269
The strike wave .. .. .. N 468
Rock bolting practices in Canadian metal mines .. .. A 472
Strikes reduce mining activity in Northern Ontario .. N 498
Activities on Canadian uranium properties during 1952 .. A 503
The use of aluminium in silicosis prevention at McIntyre Porcupine Mines, Ontario .. A 534
Opportunities in uranium mining .. .. A 620
Developments at INCO .. .. A 755
The Northern Miner Annual Review, 1953 .. .. R 756

CEYLON

Progress of Geological surveying in the Far East .. .. A 12
Ceylon and India .. .. .. C 103
Non-ferrous metals in Asia and the Far East .. .. .. A 133

CHILE

The strike wave .. .. .. N 468
Politics intrude on the metal market .. .. N 555
Chile resumes copper sales .. N 717

CHINA

Progress of geological surveying in the Far East .. .. *A 12*
Bauxite and aluminium in Asia and the Far East .. .. A 76
Non-ferrous metals in Asia and the Far East .. .. .. *A 133*
The Leipzig Fair .. .. C 326

CUBA

A review of chromite resources A 363

CYPRUS

Mining progress in Cyprus .. N 161
Worm reducers for Cyprus .. M 475

EAST AFRICA

Year Book and Guide to East Africa, 1953 edition .. R 366

FINLAND

The Mining industry of Finland A 14

FORMOSA

Non-ferrous metals in Asia and the Far East .. .. .. N 133

FRANCE

Mid-year assessment of the coal industry .. .. .. A 167
Productivity in European foundries .. .. A 754

FRENCH AFRICA

Some French prospecting and development projects .. N 266

FRENCH MOROCCO

The gasification of coal—a survey of recent experiments A 218

GERMANY

Shaft design and choice of winding equipment at Ruhr collieries .. .. A 73
Influence of the planning of shaft-winding plant upon surface plant layout at Ruhr collieries .. .. .. *A 108*
Mid-year assessment of the coal industry .. .. .. C 167
Taking stock .. .. .. N 291
The Leipzig Fair .. .. C 326
New East German cable .. M 475

GOA

The Sirigao iron ore mine, Goa A 753

GOLD COAST

The rocks of the Sekondi Series of the Gold Coast .. .. R 366

GREAT BRITAIN

(*All references to Great Britain appear under the appropriate subject headings. Limitations of space prevent detailed itemization here.*)

HOLLAND

Mid-year assessments of the coal industry .. .. *C 167*
Productivity in European foundries .. .. A 754

INDIA

Progress of geological surveying in the Far East .. .. A 12
Bauxite and aluminium in Asia and the Far East .. .. A 76
Ceylon and India .. .. C 103
Non-ferrous metals in Asia and *the Far East* .. .. .. *A 133*
Indian monthly gold mine returns .. MR 200, 372, 568, 757
The Mujgawon diamond deposits of the Panna district, India .. .. A 442
Mineral possibilities of Andhra State, India .. .. .. *A 660*

INDO CHINA

Progress of geological surveying in the Far East .. .. *A 12*
Bauxite and aluminium in Asia and the Far East .. .. A 76
Non-ferrous metals in Asia and the Far East .. .. .. A 133

INDONESIA

Bauxite and aluminium in Asia and the Far East .. .. A 76
Non-ferrous metals in Asia and the Far East .. .. .. A 132
The nigger in the stockpile .. N 655
Rehabilitation of the Bengkalis Gold Mine .. .. .. N 750

ITALY

Mid-year assessment of the coal industry .. .. .. C 167
Productivity in European foundries .. .. A 754

JAPAN

Progress of geological surveying in the Far East .. .. A 12
Non-ferrous metals in Asia and *the Far East* .. .. .. *A 133*

KOREA

Korea and Moscow .. .. N 131
Mining in Korea .. .. *A 391*
The production and uses of beryllium .. .. .. A 661

MADAGASCAR

The production and uses of beryllium .. .. .. A 661

MALAYA

Progress of geological surveying in the Far East .. .. A 13
Gravel pump mining in Malaya *A 15*
Bauxite and aluminium in Asia and Far East .. .. A 76
Monthly Malayan tin mine returns .. .. *MR 115, 341, 670*
Quarterly Malayan tin mine returns .. .. MR 115
Non-ferrous metals in Asia and the Far East .. .. .. *A 133*
Malayan income-tax rates may rise next year .. .. N 498
(*See also under weekly "Minerals, Metals & Alloys" under* TIN)

MEXICO

Tax relief for Mexican mining companies .. .. .. N 188
Mexico .. .. .. C 266, 619
Mexican metal exports, Jan.-June 1953 .. .. .. C 364

NAMAQUALAND

The production and uses of beryllium .. .. .. A 661
Namaqualand's mineral wealth A 751

NEW CALEDONIA

Some French prospecting and development projects .. N 266
A review of chromite resources A 362

NEW GUINEA

Fresh oil resources .. .. *N 686*

NEW ZEALAND

The twilight of New Zealand *mining deepens* .. .. *N 618*

NIGERIA

Monthly Nigerian tin mine returns MR 115, 341, 600, 670

NORTHERN IRELAND

Perlite and its uses .. .. A 412

NORTHERN RHODESIA

Company migration and colonial development .. .. N 102
Copperbelt companies conclude power agreement with Union Minière .. .. .. N 213
Copperbelt dispute still simmering .. .. N 214
Northern Rhodesian tax bill .. J 221
Mr. Prain on copper .. .. N 358

NORWAY

Roof sewing in Norwegian mines .. .. M 474
Norwegian minerals Jan.-June *1953* .. .. C 562

PAKISTAN

Progress of geological surveying in the Far East .. .. A 13
Non-ferrous metals in Asia and the Far East .. .. .. A 133
A review of chromite resources A 363

PERSIA

The Persian explosion .. .. N 213

PHILIPPINES

Progress of geological surveying *in the Far East* .. .. *A 12*
Non-ferrous metals in Asia and the Far East .. .. .. A 133
A review of chromite resources A 362

POLAND

Mid-year assessments of the coal industry .. .. A 167

PORTUGAL

Portugal .. C 132, 190, 240, 438, 657

SAAR

Mid-year assessment of the coal industry .. .. C 167

SAUDI ARABIA

The strike wave .. .. N 468

SOUTH AFRICA

Mr. McLean on the Union's *gold industry* .. .. .. N 9
Mining areas of South Africa outside the Witwatersrand .. A 40
Rand and O.F.S. monthly gold mine returns .. .. *MR 49, 199, 307, 424, 545, 698*
Shortage of native labour in the *South African gold mining industry* .. .. .. A 104
The supply of electric power .. A 136
Rand and O.F.S. quarterly returns .. .. *A 144, 537*
Water a key to South African development .. .. .. A 164
Four decades of accident prevention on the Witwatersrand A 293
A review of chromite resources (Part I) .. .. .. A 295
Oil from coal in South Africa .. N 358
Year Book and Guide to Southern Africa, 1953 .. .. R 366
Escom's Rand undertaking .. A 390
South Africa .. .. *C 439, 557, 687*
Higher industrial diamond turnover .. .. CS 450
Mr. Havenga on the need for higher gold price .. .. N 468
Union drops "processing" obligations for Free Gold market .. .. .. J 508
Opportunities in uranium mining .. .. A 620
The production and uses of beryllium .. .. .. A 661
South African coal mine returns (Oct.) .. .. .. MR 670
Centralized load control in the O.F.S. .. .. .. A 691
Rand dividend season opens .. J 731
Mr. Robert Annan puts Kaffir in focus .. .. .. N 717
Rand dividend season closes .. J 757
(*See also* under weekly Mining Share Markets)

SOUTHERN RHODESIA

Highlights of the Bulawayo Exhibition .. .. .. A 44
Asbestos producers' markets weakening in Southern Rhodesia .. .. N 188
The changing pattern of production in S. Rhodesia .. N 265
A review of chromite resources (Part I) .. .. .. A 295
Ditto (Part II) .. .. .. A 362
Powell Duffryn and Wankie *Colliery* .. .. .. N 386
Revival of gold subsidy in Rhodesia .. .. .. N 499
The production and uses of beryllium .. .. .. A 661
Southern Rhodesian gold mine returns (Oct.) .. .. MR 699

SPAIN

Spain .. .. C 686

SWEDEN

Atlas Diesel on show .. .. A 413
Swedish compressed air equipment and techniques .. A 443
Methods and equipment used *at the Grängesberg Mine, Sweden* .. .. .. A 500

THAILAND

Progress of geological surveying in the Far East .. .. A 12
Non-ferrous metals in Asia and *the Far East* .. .. .. A 133
Thailand's mineral resources .. A 267
Wolfram mining methods in Thailand .. .. .. M 302
Rich tin ore strike of West Siam J 567

TURKEY

Foreign contracts for British manufacturers .. .. M 220
A review of chromite resources (Part I) .. .. .. A 295
Ditto (Part II) .. .. A 363

U.S.A.

Electrolytic tinplate may benefit tin producers .. .. N 9
Western U.S. .. .. .. C 11, 163, *327, 469, 499, 718, 750*
Research and the U.S. mineral industry .. .. .. N 37
The battle of the gap .. .. N 69
Year Book of American Bureau of Metal Statistics .. .. R 79
1953 in retrospect and prospect N 101
Mr. G. C. Heikes .. MM 175
Reclamation of asbestos .. A 217
The gasification of coal—a survey of recent experiments A 218
Liberalizing international trade N 237
Use of atomic power in industry A 245
Taking stock .. .. .. N 291
Relaxation of stockpiling .. N 292
There's gold in them thar hills ! N 292
A review of chromite resources (Part I) .. .. .. A 295
The I.M.F. report of dollar *shortages* .. .. .. N 325
U.S. stockpiling programme revision .. .. .. N 337
Reduction of colliery costs by chemical sprays .. .. M 367
Preliminary testing of a Brieden pneumatic packing machine *in U.S. anthracite mine* .. A 388
Mud-drilling additives in the U.S. .. .. M 392
Perlite and its uses .. .. A 412
The American Mining Congress 1953 .. .. N 410
American arc furnace practice A 416
Conservation of manganese .. A 440
The strike wave .. .. N 468
The trend towards larger earth moving equipment in the U.S. A 502
Politics intrude on the metal *markets* .. .. .. N 555
The long-term outlook for the metals .. .. .. A 560
Opportunities in uranium mining .. .. A 620
The nigger in the stockpile .. N 655
The production and uses of beryllium .. .. .. A 661
The Geneva Tin Conference ends .. .. N 685
(*See also* each week under *"Metals, Minerals & Alloys"*)

U.S.S.R.

1953 in retrospect and prospect N 100
Korea and Moscow .. .. N 131
Mr. Malenkov's pronunciamento .. .. .. N 186
A general survey of Russian mineral resources .. .. A 189
The non-ferrous metals .. A 216
Foreign contracts for British manufacturers .. .. M 220
The alloying metals, precious metals and non-metallics .. A 243
The Leipzig Fair .. .. *C 326*
A review of chromite resources (Part II) .. .. .. A 362
Conservation of manganese .. A 440
Wollaston and the platinum metals .. .. .. A 470
The production and uses of beryllium .. .. .. A 661
The Stalingrad hydro-electric station .. .. .. A 755

VIET NAM

Non-ferrous metals in Asia and the Far East .. .. .. A 133

WEST AFRICA

West African monthly gold mine returns .. .. MR 83, 199, 340, 450, 757

YUGOSLAVIA

Rudarsko-Metalurski Zbornik R 45
A review of chromite resources (Part II) .. .. .. A 362
Potentialities of Trepca Mines, Yugoslavia A662

Men, Methods and Machines

AIR SURVEY
Progress of geological surveying in the Far East .. .. A 12
Airborne magnetometer demonstrated .. .. .. M 563
Coloured aerial photography in prospecting .. .. T 592

ATOMIC ENERGY
The scope for economic nuclear power .. .. .. N 438
Atomic energy corporation formed in the U.K. .. .. N 556
Opportunities in uranium mining .. .. A 620

BOILERS
A differential draught gauge .. M 336
Fuel conservation .. .. A 413

COAL TECHNOLOGY
N.C.B. to establish a central engineering establishment .. N 188
Underground gasification of coal .. .. N 214
The gasification of coal—a survey of recent experiments A 218
Oil from coal in South Africa .. N 358

COMPRESSORS
Swedish compressed air equipment and techniques .. A 443
Two-stage air-cooled portable compressors .. .. .. M 626

DIESEL ENGINES
A diesel-hydraulic machine of minimum dimensions .. M 301
An industrial diesel locomotive M 302
Small mines diesel locomotive M 474

DRILLING
Trends in metal mining .. L 18
A range of diamond core drills *M 78*
An automatic zinc sampler .. M 246
A new drill-hole assaying unit M 246
Mud-drilling additives in the U.S. .. .. M 392
Swedish compressed air equipment and techniques .. A 443
A light-weight rock drill .. M 625
Coupled drill rods .. .. M 727
A newly designed rock drill .. M 756

ECONOMIC AND TRADE STATISTICS
The International Tin Study Group's working party .. N 9
The mining industry of Finland A 14
Governmental policies concerning unemployment, inflation and balance of payments—1951-52 .. .. .. R 45
The battle of the gap .. .. N 69
Killing the goose .. .. .. N 70
Year Book of the American Bureau of Metal Statistics .. R 79
Quin's Metal Handbook .. R 79
1953 in retrospect and prospect N 101
Company migration and colonial development .. .. N 102
Copper Institutes monthly figures .. .. MT 111
Gold Mines' tax contribution recognized in South African budget .. .. .. J 114
Korea and Moscow .. .. N 131
U.K. monthly metal and mineral imports .. .. MT 142, 274
Tax relief for Mexican mining companies .. .. .. N 188
Switching facilities for Canadian dollar securities restored .. J 224
Northern Rhodesian tax bill .. J 225
Liberalizing international trade N 237
The implication of Canadian switching facilities .. .. N 239
Taking stock .. .. N 290
In a metal merchant's office .. R 300
The I.M.F. report on dollar shortages .. .. .. N 325
Stability in the International metal markets .. N 325, A 328
U.S. stockpiling programme revision .. .. .. N 357
Bank rate reduced to 3½% .. N 356
U.K. primary monthly metal stats. .. .. .. MT 368, 564
Famines and gluts .. .. N 384
Economic Bulletin for Europe R 476
Malayan income-tax rates may rise next year .. .. N 498
The coal industry .. .. C 531
Politics intrude on the metal markets .. .. .. N 555
The long-term outlook for the metals .. .. .. A 560
Norwegian minerals Jan.-June 1953 .. .. C 562
The level of base metal prices .. A 593
Mexico .. .. C 619
Yearbook of International Trade Statistics .. .. R 664
The Directory of Directors .. R 664
Belgian Congo mineral output C 687
B.O.M.A. on overseas mining taxation .. .. .. N 749

EDUCATION & TRAINING
The coal mining industry .. R 79
Statistics for technologists .. R 476
Royal School of Mines Journal R 476
Reflections on an old scheme .. N 618

ELECTRIC EQUIPMENT
Electric drive for fast strip rolling mill .. .. .. M 78
The British electricity system .. *R 79*
A range of industrial motors .. M 195
Motivation of dual fuel engine by methane gas .. .. M 302
A totally enclosed squirrel cage motor .. .. .. M 625
An automatic direct-on contactor starter .. .. M 626
Melting by electric furnace .. M 663
Battery chargers and charging R 664
Operation of mercurial flow meter .. .. T 694

EXCAVATORS
A big output earth mover .. M 628

EXPLOSIVES
Taconite blasting experiments *M 110*
Blasting by igniter cord .. M 220

GEOLOGY AND ORE DEPOSITS
Progress of geological surveying in the Far East .. .. A 12
Mining areas of South Africa outside Witwatersrand .. A 40
Geological Survey of Canada in 1953 .. .. .. N 70
Uranium from Rhodesian granites .. .. .. *N 162*
Brazil's fertilizer .. .. .. A 244
Thailand's mineral resources .. A 267
The prospecting and commercial exploitation of oil in the U.K. .. .. A 365
The rocks of the Sekondi series *of the Gold Coast* .. .. *R 366*
Canada .. .. C 387
The Mujgawon diamond deposits of the Panna District, *India* .. .. A 442
The composition and origin of Antrim laterites and bauxites R 476
The age determination of igneous rocks .. .. .. R 504
Rock wool and its applications A 535
Opportunities in uranium mining .. .. A 620
Mineral possibilities of Andhra State, India .. .. .. *A 660*
British Guiana's manganese deposits .. .. .. N 718
Namaqualand's mineral wealth A 751

HAULAGE AND HOISTING
A speedy loader for quarry operation .. .. .. M 18
Overhead conductors for electric underground haulage .. M 18
Splicing wire ropes .. .. M 18
Flameproof conveyor belting .. A 42
Shaft design and choice of *winding equipments at Ruhr collieries* .. .. .. A 73
Influence of the planning of shaft-winding plant upon *surface plant layout at Ruhr collieries* .. .. .. A 108
An underground locomotive haulage signalling system M 140
Koepe winder towers at Rothes Colliery, Fife .. .. A 168
Fully corded industrial V-belts M 195
Longer life for wire cables .. M 246
Mineral industries—key to Canada's expansion .. .. A 269
Initial installation of electric-trolley locomotives in British *colliery* .. .. .. M 301
Nylon driving belts for industrial applications .. .. M 302
New fireproof belting wins approval .. .. .. M 302
The coal industry .. .. C 334
Locked coil ropes for the mining industry .. .. .. M 392
Swedish compressed air equipment and techniques .. A 443
Moving colliery refuse by dump truck .. .. .. M 475
New East German cable .. M 475
Belt conveyor know-how .. N 654
Underground transportation by belt conveyor .. .. .. A 658
Causes and prevention of belt failure .. .. .. A 688
Belt tension and the transmission of horse power .. .. A 720
Developments at INCO .. A 755

HEALTH, SAFETY AND WELFARE
Face protection from upward-projected particles .. .. M 18
Flame proof conveyor belting .. M 42
Safety spectacles in industry .. M 78
U.K. Mines inspectorate reports for 1951 .. .. .. N 238
Four decades of accident prevention on the Witwatersrand A 293
How long will our existing mineral and fuel resources last ? A 294
The principles and practice of roof bolting .. .. .. A 298
The coal industry .. .. C 334
Flameproof motors for underground use .. .. .. M 336
Rockbolting practices in Canadian metal mines .. .. A 472
Engineering Industries Association Exhibition .. .. M 474
Dust prevention and suppression .. .. M 475
The use of aluminium in silicosis prevention at McIntyre Porcupine Mines, Ontario .. A 534
A new material for the mining industry .. .. A 558
Safety in mines and quarries .. A 588
New flame retarding thermo plastics .. .. T 592
The wetting of airborne silica dusts .. .. T 592
The new Mines and Quarries Bill .. .. N 617
Causes and prevention of belt failure .. .. .. A 688

LABOUR
Labour, power and water in South Africa .. .. .. N 102
Shortage of native labour in the South African gold mining industry .. .. .. A 104
Belgian Congo .. .. .. C 162
Copperbelt dispute still simmering .. .. N 214
Canada .. .. .. C 387, 719
Restoring personal responsibility to colliery management .. .. N 497
Strikes reduce mining activity in Northern Ontario .. N 498
Western U.S. .. .. .. *C 718*

LIGHTING
A range of miners' lamps .. M 663
Lighting with sodium lamps .. M 727

MECHANICAL HANDLING
A complete range of tractor shovels .. .. .. M 140
An auto-shunter for surface application .. .. M 220
Hydraulic transport of solids .. A 296
A diesel-hydraulic machine of minimum dimensions .. M 301
A dual-purpose tractor .. M 336
A comprehensive machinery catalogue .. .. .. M 366
Preliminary testing of a Brieden *pneumatic packing machine* in U.S. anthracite mine .. A 388
Mobile mining plant .. .. A 414
Stewart and Lloyds Review *1903-1953* .. .. .. R 476
The trend towards larger earth moving equipment in the U.S. A 502
A new material for the mining industry .. .. .. A 558
A new shuttle conveyor .. M 563
The mid-Cannock and Cannock and Leacroft collieries reconstruction scheme .. .. A 622
High rate stock-piling and loading equipment .. .. M 625
The Sirigao iron ore mine, Goa A 753
Crawler tractors for the War Office .. .. M 756

METALLURGY
The mining industry of Finland A 14
Research and the U.S. mineral industry .. .. .. N 37
Ion exchange system for chromate recovery .. .. T 45
New nickel plating process .. T 45
Recovering minute gold contents from chloridized residues .. .. A 138
Effects of minute impurities in *metals* .. .. .. N 162
Germanium ingots produced by continuous three-phase process .. .. T 170
Selenium—a scarce by-product metal .. .. .. A 241
The alloying metals, precious metals and non-metallics .. A 243
Corrosion testing in saline water and atmosphere .. .. T 272
A lead-steel bonding technique T 272
An alloy for atomic reactors .. T 272
Accessories in nickel converter practice .. .. .. A 360
American arc-furnace practice A 416
Conservation of manganese .. A 440
A possible source of selenium *in the U.K.* .. .. .. T 445
New superalloys .. .. .. T 445
Wollaston and the platinum metals .. .. .. A 470
Blast furnace size .. .. N 587
A unique alloy .. .. .. T 592
Refining copper in rotary furnace .. .. T 592
The benefits of continuous casting .. .. N 619
B.I.S.R.A.'s new laboratories .. A 624
The production and uses of *beryllium* .. .. A 661, 724
South Africa .. .. .. C 687
Spheroidal graphite cast iron .. T 694
Research into heat-resisting metals .. .. .. T 694

MINING AND EXTRACTION
The mining industry of Finland A 14
Gravel pump mining in Malaya A 15
Research and the U.S. mineral industry .. .. .. N 37
The development of Canada's mineral industry .. .. N 38
Mining areas of South Africa outside Witwatersrand .. A 40
Gas .. .. R 45
Influence of the planning of shaft-winding plant upon *surface plant lay-out at Ruhr Collieries* .. .. .. A 108
A versatile service kit for the mining industry .. .. M 110
Koepe winder towers at Rothes Colliery, Fife .. .. A 168
Pollution of streams by mine waters .. .. A 191
High speed drivage in coal A 193
A revised magnetic flaw detector .. .. M 220
Fine sand recovery by wet cyclone .. .. T 272
Abrasive-belt grinding .. T 272
The principles and practice of *roof bolting* .. .. .. A 298
Wolfram mining methods in Thailand .. .. .. M 302
Rubber hose in mining .. A 332
Reduction of colliery costs by chemical sprays .. .. M 367
Versatile die grinder kit .. M 367
Mobile mining plant .. .. A 414
Mechanized packing on long-wall faces .. .. .. M 418
A range of worm reducers .. M 418
Western Australia's golden mile .. .. A 471
Rock bolting practices in Canadian metal mines .. .. A 472
Engineering Industries Association Exhibition .. .. M 474
Roof sewing in Norwegian mines .. .. M 474
Worm reducers for Cyprus .. *M 474*
Methods and equipment used at the Grängesberg Mine, Sweden .. .. .. A 500
Coal extraction on longwall faces .. .. .. M 538
Roof bolt shields by "Rawlplug" *principles* .. .. *M 563*
A champion for U.K. metal mining .. .. .. N 586
Experiments in roof and floor bolting in Scotland .. *A 692*
New methods and applications in the U.K. coal industry .. A 726
The Sirigao iron ore mine, Goa A 753
Industrial machine tools .. M 756

MINE COMMUNICATIONS
An underground locomotive *haulage signalling system* .. *M 140*

ORE TREATMENT
Research and the U.S. *mineral industry* .. .. .. N 37
Mining areas of South Africa outside the Witwatersrand .. A 40
A selective mineral jig .. .. *M 78*
Ceylon and India .. .. C 103
A vibratory classifer for use in the mining industry .. .. M 110
New giant crushers in Canada .. *M 140*
Diamond recovery by grease belt .. .. A 169
Treatment of low-grade titaniferous ores .. .. T 170
Driers for the mining industry M 195
A magnetic separator for the mining industry .. .. M 301
Heavy-media separation processes for mineral concentration .. .. R 366
Conservation of manganese .. A 440
The roasting of lean ores .. T 445
Pilot machine for heat treating ores .. .. M 538
Developments in *modern pulverizing and crushing equipment* .. .. A 590

The production and uses of beryllium .. .. A 661, 724
High intensity magnetic separation .. .. .. M 663
Alkaline pressure leaching processes .. .. .. T 694
Magnetic ore separators .. M 727

POWER PLANTS

The development of Canada's mineral industry .. .. N 38
Labour, power and water in South Africa .. .. .. N 102
The supply of electric power .. A 136
Belgian Congo .. .. .. C 162
Water — a key to South African development .. .. .. A 164
Copperbelt companies conclude power agreement with Union Minière .. .. .. N 213
Foreign contracts for British manufacturers .. .. M 220
Use of atomic power in industry A 245
Brazil's fertilizers .. .. A 244
Mineral industries — key to Canada's expansion .. A 269

Escom's Rand undertaking .. A 390
Anglo American to direct Kafue power project N994
Centralized load control in the O.F.S. .. .. .. A 691
The Stalingrad hydro-electric station .. .. .. A 755

PROSPECTING

Lost Trail .. .. .. R 79
An improved metal and mineral detector .. .. .. M 195
Some French prospecting and development projects .. N 266
Mexico 266
There's gold in them thar hills ! N 292
Australia .. .. .. C 359, 411
The prospecting and commercial exploitation of oil in the United Kingdom .. .. A 365
A boring and prospecting tool M 367
Geobotanical techniques in uranium prospecting .. T 445
Minerals investigations in British Guiana .. .. .. N 656

A portable fluoroscope for prospecting .. .. .. M 664
Canada .. .. C 719
Western U.S. .. .. .. C 750

PUMPING AND DRAINAGE

Gravel pump mining in Malaya A 15
Pollution of streams by mine waters .. .. .. A 191
A series of rotary high vacuum pumps .. .. .. M 246
Sand pumps for the mining industry .. .. .. M 246
Hydraulic transport of solids .. A 296
The Engineering, Marine and Welding Exhibition, 1953 .. A 335
Pumping units of modern design .. .. .. M 336
Turbine pumps for mining use M 392

SCIENTIFIC RESEARCH

Research and the U.S. mineral industry .. .. .. N 37
Effects of minute impurities in metals .. .. .. N 162

Pollution of streams by mine waters .. .. .. A 191
The gasification of coal — a survey of recent experiments A 218
B.I.S.R.A.'s new laboratories .. A 624

TIMBER

An inexpensive method of treating mine timbers .. T 170
Preservation of mine timber .. L 194

VENTILATION AND AIR CONDITIONING

Australian mine installs world's largest fan .. .. .. A 268
Developments at INCO .. A 755

WELDING

Modern welding practice in the mining industry .. .. A 330
The Engineering, Marine and Welding Exhibition, 1953 .. A 335
Advantages of cold welding aluminium R504

Companies and other Public Bodies

For Rand and O.F.S. gold mine returns, see MR 49, 199, 307, 424, 545, 698. For other mining company production figures, see "Mine Returns," MR 200, 372, 509, 568, 757. For monthly tin mine returns see MR 115, 341, 600, 670. For quarterly figures, gold see A 144, tin, MR 115, 600. For share prices see weekly "Mining Share Markets," and for dividend payments, see list published weekly. Companies marked with an asterisk (*) are those for which share prices are quoted weekly in the "Mining Markets" column.

A

Aberfoyle Tin .. .. .. C 587
Aeromagnetic Surveys .. M 563
*African and European Investment Co. .. ..
African Manganese Co. .. N 656
Afrikander Lease .. .. C 687
Alaska Juneau Gold Mining Co. .. .. C 11
Allis Chalmers Co. .. .. M 140
Aluminium Company of Canada .. .. N 38
Aluminium Corporation of India .. .. A 76
Aluminium Ltd. .. J 146, 225, N 409, CS 425, 601
Amalgamated Anthracite Collieries .. .. ME 543
*Amalgamated Banket Areas .. CS 198, J 599, MR 757
*Amalgamated Collieries of S. Africa .. ..
*Amalgamated Tin Mines of Nigeria S 339, J 371, ME 512
American Bureau of Metal Statistics .. .. .. R 79
American Chrome Co. .. C 499
American Cyanamid Co. .. R 366
American Hewitt Robins Inc. M 563
American Institute of Mining and Metallurgical Engineers MM 484
American Metal Co. .. .. CS 632
American Metal Market .. M 538
American Mining Congress Metal Mining Convention .. N 385, 410, A 502, 560, T 592, A 620, T 694
American Smelting and Refining Co. .. C 11, 469, 718
American Society for Testing Materials .. .. .. N 162
American Zinc Co. .. .. M 246
American Zinc, Lead and Smelting Co. .. .. C 11, 469
Anaconda Copper Mining Co. C 163, 718
Anglo American Corporation Group of Collieries .. .. Div. 737
*Anglo American Corporation Group of Companies A 537, 691, CN 705
Anglo American Corporation of South Africa .. .. .. CS 50, Div 56, A 144, J 276, Div 277, CN 345, S 479, J 499, CN 705, J 731
*Anglo American Investment Trust .. ..
Anglo American Council on Productivity .. .. .. A 413
Anglo-Burma Tin Co. J 568, ME 735
Anglo-Ecuadorian Oilfields .. J 481, MR 757
*Anglo French Exploration Co. MM 372
*Anglo Iranian Oil Co. .. A 365
Anglo-Oriental (Malaya) .. J 114
Anglo-Transvaal Collieries .. DR 116, 515
*Anglo Transvaal Consolidated Investment Co. .. .. .. DR 116, C 439, DR 515
Anglo-Westralian Mining Proprietary .. .. .. C 411
Angola Diamond Co. .. .. J 174
*Apex Trinidad Oilfields .. MR 757
Aramayo Mines in Bolivia .. N 467
Arcturus Mine .. .. .. MR 699
*Ariston Gold Mines .. J 599, MR 757

Argonne National Laboratories A 245
*Ashanti Goldfields Corporation .. .. S 21, 395, Div 397
*Associated Manganese Mines of South Africa .. .. ..
Atlas Diesel Co. .. .. .. A 413, 443, 500, A 692, M 625
Atomic Energy Control Commission .. .. .. A 620
Atomic Energy Corporation .. N 556
*Attock Oil Co. .. J 175, S 198
Austral Otis Co. .. .. A 414
Australian Mineral Industry .. N 324, A 328
Australia & New Zealand Bank J 632
Austrian Metal Works .. N 556
Automatic Telephone & Electric Co. .. .. .. M 140
*Ayer Hitam Tin Dredging Co. S 479, J 668, 701, 732

B

Babcock & Wilcox Co. .. M 220
Babrosco Mine .. .. C 687
Bancroft Mines J 224, 630, S 395
*Bangrin Tin Dredging .. CS 84, ME 87
Barclay's Bank (D. C. & O.) .. CS 615
Barima Gold Co. .. N 656, 718
Barimar Ltd. .. .. .. A 330
Bear Creek Mining Co. .. C 327
Bechuanaland Exploration .. CS 758
Behr-Manning Corporation .. T 272
Belmos Products .. T 45, M 626
Bentall & Co. (E.A.) .. .. M 246
*Beralt Tin & Wolfram S 249, 479, J 277, CS 425, ME 514
Beryllium Corporation .. T 592
*Bibiani (1927) S 395, 541, Div 397
Bikita Minerals (Private) .. CS 632, A 661
Birlec Ltd. .. .. A 416, M 663
*Bisichi Tin Co. .. ME 119, S 339
Blackman (Keith) Ltd. .. A 395
*Blyvooruitzicht Gold Mining Co. .. .. S 21, A 144, 537, CS 450, J 480, CN 484, ME 634
Bolivian and General Tin Trust CS 758
Borolite Corporation .. .. T 694
*Boulder Perseverance J 146, A 471
Boydell (E), and Co. Ltd. .. M 301
Bradley Mining Co. .. .. C 469
*Brakpan Mines .. .. .. A 144
*Bremang Gold Dredging Co. CS 23, J 49, 599, 757, ME 149
British Association for the Advance of Science .. A 294, N 438
British Burmah Petroleum Ltd. J 481, ME 637
British Electrical Development Assoc. .. .. .. A 335
British Flottman Drill Ltd. .. L 18
British Geon Ltd. .. .. A 42
British Guiana Consol. Goldfields Ltd. S 448, N 656, MR 669
British Hydromechanics Research Assoc. .. .. .. A 296
British Industries Fair .. .. M 664
British Insulated Callender's Cables Ltd. .. M 18, MM 149
British Iron & Steel Federation N 326, 437, R 476
British Iron & Steel Research Assoc. .. .. A 624
British Memorial Fund .. MM 484
British Newfoundland Corp. MM 149
British Overseas Mining Assoc. CS 671, J 749
British Plastics Federation .. A 558

British Productivity Council .. R 45, 79
British Ropes Ltd. .. M 18, 392
British Rubber Producers Research Assoc. .. .. A 332
British S. Africa Co. Ltd. .. S 697
British Standards Institution .. MM 201
British Thomson-Houston Ltd. A 15, M 78, A 335
*British Tin Investment Corp. Ltd. .. .. .. CS 115, 425
British Tyre & Rubber Co. .. M 195
Broken Hill Prop. Co. Ltd. .. MM 121, C 215
*Broken Hill South Ltd J 397, S 541
Broom & Wade Ltd. .. .. M 756
Brown (David) Corporation .. M 418, 475
Brunswick Mining & Smelting Co. .. .. C 72, 386
Buffelsfontein Gold Mining .. C 687
Bunker & Sullivan Mine .. C 469
*Burma Corporation (1951) Ltd. .. .. J 698, CN 701
*Burmah Oil Co. Ltd .. .. ME 51

C

Callahan Zinc Lead Co. .. C 163
*Cam & Motor Gold Mining Co. (1919) Ltd. J 599, MR 699
*Canadian Eagle (Oil Co.) .. S 21
*Cape Asbestos .. .. .. S 249
Cape Copper Co. .. .. A 751
Cassier (Louis) Co. .. .. R 366
Cementation Co. Ltd. .. .. MM 372, J 509, ME 636
*Central Mining (Rand Mines Group) Div 57, A 144, MM 344, J 480, 731, Div 737, A 537
Central Mining Free State Areas .. .. J 480
Central Norseman Gold Corpn. C 39, 411
Central Provinces Manganese Co. Ltd. .. .. S 249
Central Victoria Dredging Co. C 359
Chamberlain Industries Ltd. .. M 110
*Champion Reef Gold Mines J 340, MR 372, 509, 568, 757
Chapman & Hall Ltd. .. R 300
Charlebois Lake Uranium Mines .. .. A 503
Chemical Metallurgical & Mining Soc. of S. Africa .. A 40, N 102
Chendai Consolidated .. CS 510
Chenderiang Tin Dredging Ltd. J 631
Chibuluma Mines .. MM 121
Chowgule Co. .. .. .. A 753
Cie Royale Asturienne Des Mines .. .. C 686
*City Deep .. .. .. A 144, 537
Climax Molybdenum .. .. C 327
Climax Rock Drill & Engineering Works Ltd. .. .. M 367
Clutha River Gold Dredging Ltd. .. .. .. J 509, MR 669
Cohen (George) Sons & Co. .. M 367
Comet Pump & Engineering Co. .. .. A 335
Connaught Mines .. .. MR 699
*Cons. African Selection Trust Ltd. .. J 631, N 749, ME 760
*Consolidated Diamond Mines of S.W. Africa .. .. .. A 169
*Consolidated Goldfields of S. Africa .. .. A 144, 537, S 275, 566, J 480, 567, 757, N 717, ME 733

*Consolidated Main Reef Mines and Estates Ltd. .. .. A 144, 537, S 448, J 480, ME 634
Consolidated Mining & Smelting Co. .. .. .. N 239, C 719
*Consolidated Murchison (Transvaal) Goldfields and Development Co. Ltd. .. ME 51, S 172, 339, J 224, 599, DR 225, 603
Consolidated Nicholson Mines A 504
Consolidated Pneumatic Tool Co. Ltd. .. .. .. A 335
Consolidated Tin Mines of Burma Ltd. J 631, 668, ME 761
Consolidated Tin Smelters Ltd. J 224, ME 344
*Consolidated Zinc Corporation J 599
Copper Creek Consolidated Mining Co. .. T 172, C 327
Cornish Institute of Engineers MM 344
Cornish Mining Development Assoc. .. .. A 414, N 586
Coronation Syndicate .. .. CS 632
Craelius Co. .. .. .. M 78
Crossley Premier .. MM 372
*Crown Mines .. .. .. A 144, 537
Cyprus Asbestos Mines Ltd. .. N 161
Cyprus Chrome Co. .. .. N 161
Cyprus Mines Corporation .. N 161
Cyprus Sulphur & Copper Co. Ltd. .. .. N 161

D

*Daggafontein Mines Ltd. .. A 144, 537, S 339, 479
D'Arcy Exploration Co. .. A 365
*De Beers Consolidated Mines Ltd. .. CS 50, 425, S 249
Dee Explorations .. .. A 503
Demerara Bauxite Co. N 409, 656
Denver Mining & Equipment Co. .. .. M 78
Denver Vertical Centrifugal Sand Pump .. .. .. M 246
Dept. of Scientific and Industrial Research .. .. T 445
Diamond Alkali Co. .. .. T 592
*Dome Mining Corporation Ltd. N 239
Dominion Engineering Co. .. M 474
Dominion Reefs (Klerksdorp) Ltd. .. .. S 249, MM 484, CS 671, 758, C 687
Dominion Steel & Coal Corporation .. .. .. M 538
Dorman Long & Co. .. .. M 625
*Doornfontein Mines .. A 144, 537, S 275, 395, 479, J 396, 480, C 687
Dunlop Rubber Co. Ltd. .. A 335
Durban Roodepoort Deep Ltd. A 144, 537
Dyno Mines .. .. .. C 719

E

Eagle Picher Co. .. .. .. N 37
East Champ D'Or Gold Mining Co. Ltd. .. .. A 144, 537
*East Daggafontein Mines Ltd. A 144, 537
*East Geduld Mines Ltd. A 144, 538
*East Rand Consolidated Ltd. J 22
*East Rand Proprietary A 144, 537
East Sussex Engineering Co. .. M 474
East Rim Nickel Mines .. .. C 719
Eastern Transvaal Consolidated Mines DR 116, 515, CS 734
Economic Commission for Asia and Far East .. A 76, 133

Economic Commission of Europe .. .. R 476
Edjudina Consolidated Gold Mines .. .. CS 758
Edwards (F.J.) Ltd. .. .. ME 756
Edwards (W.) & Co. .. .. M 246
Eldorado Mining & Refining (1944) Ltd. .. .. A 503
Electrolytic Zinc Co. .. .. J 508
Ellaton Gold Mining Co. S 82, 448, A 144, 538, C 687
Empire-Star Mines .. .. C 11
Engineering Industries Assoc. Exhibition .. .. M 474
Engineering, Marine & Welding Exhibition .. .. A 335
English Electric Co. Ltd. M 302, A 335
English Universities Press .. R 476
Epping Engineers Ltd. M 220, MM 736
Escom. .. .. .. A 136, 390
*Esperanza Copper & Sulphur CS 510, S 629, J 701, ME 759
Eureka Corporation (Ventures) Ltd. .. .. .. C 327
European Coal & Steel Community .. .. N 750
*Ex-Lands Nigeria CS 23, J 84, ME 149
Expanded Minerals Co. .. A 412
ExploratieMij Bengkalis .. N 750

F

Faber & Faber .. .. .. R 79
Fabulosa Mines Consolidated J 175
*Falcon Mines .. .. .. MR 699
Falconbridge Nickel Mines .. C 240
Federacion des Chambres Syndicales de Minerais et de Métaux Bruts .. .. N 266
Federal Mining Co. .. .. J 174
Filani (Nigeria) Tin Mining Co. J 277
Fluorspar Ltd. .. .. .. J 508
Fowler John & Co. (Leeds) Ltd. M 336, 754
*Freddies North A 144, 537, S 198
*Freddies South A 144, 537, S 198
Free State Development Investment Corp. .. .. .. ME 397
*Free State Geduld Mines S 198, 249, 448, 479, A 537, 144, CS 200
Frontino Gold Mine ME 52, MR 669

G

Gas Council Coke Department M 140
*Geduld Proprietary Mines .. A 537
*Geevor Tin Mines .. .. J 174
General American Transportation Corp. .. .. .. T 45
General Electric Co. M 110, 727, A 535
*General Mining Corporation A 144, 538, J 731
General Mining & Finance Corp. .. .. CS 50
Geomines Co. C 162, N 656, ME 702
Glen Alden Coal Co. .. .. M 756
*Globe & Phoenix Gold Mines MR 699
*Gold & Base Metal Mines of Nigeria Ltd. .. .. .. S 395, J 396, 567, CN 572, CS 703
*Gold Coast Main Reef .. J 599
*Gold Coast Selection Trust .. J 199, 599
Golden Cycle Corporation .. C 163, N 292
*Goldfields Rhodesian Development Co. Ltd. J 698, ME 702
Gold Mines of Australia Ltd. .. C 359
*Gold Mines of Kalgoorlie Ltd. .. .. .. C 39, 411, 359, J 146, ME 343
*Gopeng Consolidated Ltd. J 22, ME 120
*Government Gold Mining Areas Ltd. .. A 144, 538, C 687
Gray River Dredging Co. .. N 618
*Gt. Boulder Prop. Gold Mines C 359, 411, A 471
Gt. Western Consolidated N.L. C 39, 215, 359, 411
*Grootvlei Proprietary Mines A 144, 538
Gypsum & Plaster Board Co. Ltd. .. .. N 161

H

Hadley Co. .. .. .. M 78
Hale (Robert) Ltd. .. .. R 366
Hallnor Mines .. .. .. A 472
Hanna (M. A.) & Co. .. .. C 499
Harjavalta Copper Smelter .. A 14
*Harmony Gold Mining Co. .. S 43, 100, 380, 410, 437, 494, J 75, 465, DR 158, 384, C 175, CS 439
Hartebeestfontein Gold Mining Co. DR 116, 515, A 144, C 687
Harrietville (Tronoh) Ltd. .. J 509
Harrisons & Crosfield Ltd. .. CS 115, J 568, ME 735
Hartman Concrete Materials Co. .. .. T 272
Harvard University Press .. A 189
Head Wrightson & Co. Ltd. .. M 195
Hellenic Mining Co. .. N 161, M 475
*Henderson's Transvaal Estates Ltd. .. .. .. J 22, ME 86
Her Majesty's Stationery Office N 37, R 79, 664
Hickson's Timber Impregnation Co. (G.B.) .. .. L 194
*Hollinger Consolidated Gold Mines .. N 239, A 472, S 541
Holman Bros. .. .. M 110, A 414
Homestake Mining Co. .. .. N 411
Howden (James) & Co. .. .. A 335
Hoyle Mining Co. .. .. .. C 719
Hudson (Robert) Ltd. N 239, MM 372
Hunslet Engine Co. Ltd. M 302, 474
Hunting Aerosurveys Ltd. .. M 563
Huntington, Heberlein Co. .. M 663

I

Idarado Mining Co. .. .. C 11
Idris Hydraulic Tin Ltd. .. ME 55
Ilford Ltd. .. .. ME 664
Iliffe & Sons Ltd. .. .. .. R 664
Imperial Chemical Industries Ltd. .. .. .. A 335, 588
Imperial Oil .. .. C 719
Indian Aluminium Co. .. .. A 76
*Indian Copper Corporation .. J 276, ME 637
Indore Gold Mines .. .. .. A 503
Institute of Metals .. MM 758
Institute of Mining Engineers MM 149
Institution of Mining & Metallurgy .. .. MM 121, N 586
International Conference of Wire Assoc. .. .. N 619
International Monetary Fund N 325
*International Nickel Co. of Canada Ltd. .. CS 50, 200, 601, M 140, 220, N 239, C 240, 719, T 272, A 361, 755
International Smelting & Refining Co. (Anaconda) .. .. C 11
International Tin Study Group N 9, 585, 684, A 329, R 664
*Ipoh Tin Dredging .. .. .. J 600
Iron & Steel Corporation of Gt. Britain .. .. .. N 730
Iron & Steel Productivity Committee .. .. N 587
Israel Industrial & Mineral Dev. Corp. .. .. CS 115

J

Japan Aluminium Co. .. .. A 76
*Jantar Nigeria Co. .. .. .. S 198, J 631, ME 761
Jeannette Gold Mine .. .. .. J 542
*Johannesburg Cons. Inv. Co. Ltd. .. CN 120, 482, A 144, J 146, 371, 630, 757, CS 601, ME 633
Johnson (C. H.) (Machinery) Ltd. .. .. M 625
Johnson, Matthey & Co. Ltd. A 470
Joburke Mines .. .. .. C 719
Joy Manufacturing Co. A 298, M 418
Joy-Sullivan Ltd. .. .. A 193

K

*Kaduna Prospectors Ltd. .. J 23, ME 56
*Kaduna Syndicate Ltd. J 23, ME 56
Kayser Aluminium & Chemical Corp. .. .. C 163
Kalgoorlie Electric Power & Lighting Corp. Ltd. .. J 396
Kalgoorlie Southern Gold Mines .. ME 344, C 359
Kampong Lanjut Tin Dredging Ltd. .. .. J 114, 542, S 566
*Kamunting Tin Dredging Ltd. S 395, CS 425, J 542, ME 640
Kamra Tin Dredging Ltd. .. J 396, CS 601
Kansanshi Copper Mining Co. J 276
Kennametal International S.A. N 656
Kennecott Copper Corp. .. C 163
Kentan Gold Areas Ltd. CS 509, ME 603, MR 669, MM 758
Kent (George) Ltd. M 336, 367, T 694
Kent (F.M.S.) Tin Dredging Ltd. .. .. .. J 396, ME 482
*Kepong Dredging Co. J 701, 732
Kern Oil .. CS 601, MR 757
Kerr-McGee Oil Industries .. N 499
Killinghall Tin .. .. CS 50, ME 88
Kilo-Moto Gold Mines Co. (of Brussels) .. .. .. A 532
Kinta Kellas Tin Dredging Ltd. J 276, 306
*Kinta Tin Mines Ltd. .. ME 54
Klerksdorp Consolidated Goldfields .. CS 671, 758, C 687
Knapp Mills Inc. .. .. .. T 272
Kokan Mining Co. .. .. .. A 753
Kolar Gold Fields MR 115, 200, 372, 757, J 340, 568, CS 509, ME 571
*Konongo Gold Mines .. .. S 448
Kramat Pulai Ltd. .. J 422, ME 453
Kramat Tin Dredging Ltd. .. J 114
Kuala Kampar Tin Fields Ltd. J 114
Kurupung Placers Co. .. .. N 656
Kuwait Oil .. .. .. MR 757
Kwahu Mining Co. Ltd. S 339, J 450, ME 603

L

Labine Uranium Mines .. A 503
Lahat Tin Mines .. .. J 174, S 629, CS 672
*Lake George Mining Corporation Ltd. .. S 566, 730, J 567
Lake Shore Mine (Kirkland Lake) .. .. C 240, A 472
Lake View Investment Trust .. S 566, J 567
*Lake View & Star Ltd. S 21, C 359, A 471, ME 734, MM 736
Lampa Mining Co. Ltd. .. CS 703, J 731, ME 759
Lead Wool Co. .. .. .. M 626
Lewis & Tylor Ltd. .. .. M 302
*Libanon Gold A 144, 537, MR 698
Liverpool Electric Cable Co. .. M 301
Lobitos Oilfields Ltd. .. .. CS 23, J 114, ME 147, MR 757
London & African Mining Trust .. .. J 568, 668
London Metal Exchange .. N 132
*London & Rhodesian Mining and Land Co. Ltd. .. .. J 699, ME 733
*London Tin Corporation .. J 306, ME 423
*Loraine Gold Mining .. A 144, 537
Lower Perak Tin Dredging .. CS 115
*Luipaards Vlei Estate & Gold Mining Co. .. A 144, S 339, 448
*Lydenburg Estates Ltd. .. CS 671
Lydenburg Gold Farms .. J 668

M

Macassa Mines .. .. .. A 472
McIntyre-Porcupine Mines .. A 534
Mackay Industrial Equipment M 18
Malayan Chamber of Mines .. MM 344
*Malayan Tin Dredging J 701, 732
Malaysiam Tin Ltd. .. .. CS 481
Manchurian Lignite Metal Mfg. Co. .. .. A 76
Manganese Inc. .. .. .. C 163
*Marievale Consolidated Mines Ltd. .. .. A 144, 537
*Marlu Gold Mining Areas Ltd. .. .. J 599
Marsman Investments Ltd. .. J 147, CS 307
Martha Gold Mining Co. Ltd. (Waihi) .. .. J 115
*Mashaba Rhodesian Asbestos J 225
Mason & Barry Ltd. .. .. MM 372
Mawchi Mines .. .. S 629, CS 669
Mazapil Copper Co. .. .. .. J 84
*Merriespruit (Orange Free State) Gold Mining Co. .. .. DR 116, 515, S 339, A 537
Meru Tin .. .. J 668
Metal Information Bureau Ltd. R 79
Metropolitan Vickers Co. Ltd. M 220, 301, A 335, ME 664
Miami Copper Co. .. .. .. C 11
Middlevlei Estate & Gold Mining Co. .. .. J 668
*Middle Witwatersrand (Western Areas) Ltd. DR 116, 516, S 629
Minerals Engineering Co. C 469, 499
Mines D'Or Belgika .. .. N 162
Miniere Des Grands Lacs Africains .. .. C 162
Mining & Chemical Products .. CS 425
*Mining Corporation of Canada N.239
Mining Journal .. .. .. N 10
*Modderfontein East Ltd. A 144, 537, J 480
Mond Nickel Co. Ltd. M 474, T 694, MM 737
Morning Star (G.M.A.) Mines N.L. .. .. J 251, CS 307
Morabisi Mining Co. .. .. N 656
*Motapa Gold Mining Co. Ltd J 699
Mountain Copper Co. Ltd. .. J 175
Mount Coolon Gold Mines N.L. .. .. J 250, CS 307
*Mount Isa Mines Ltd. .. .. C 39, 215, 587, J 600, 668
Mount Lyell Mining & Railway Co. .. .. C 39, 587, J 631
*Mount Morgan Ltd. .. .. C 39, 215, 587, CS 84, S 198
Mufulira Copper Mines MM 121, J 306, 449, 630, ME 635, CS 758
Muriel Mines .. .. .. MR 699
*Mysore Gold Mining .. J 340, MR 272, 509, 568, MR 757

N

Nanwa Gold Mines .. .. J 147
Naraguta Extended Areas Ltd. J 251
Naraguta Karama .. .. J 251
Naraguta Tin Mines .. J 340, 422, 449, 481, 509, ME 513
National Coal Board .. C 167, 531, N 188, 358, 617, 497, M 302, 475, 538, A 692, 726
National Mining Corp. Ltd. MM 372
*Nchanga Consolidated Copper Mines Ltd. J 174, ME 176, S 198
Nevada Combines Metals Reduction Co. .. .. .. C 718
*New Broken Hill Consolidated Ltd. .. .. A 268, J 599
New Central Witwatersrand Areas .. .. CS 671
New Consolidated Gold Fields of S. Africa Ltd. .. .. C 687
New Coolgardie Gold Mines N.L. .. .. C 359
New Durban Gold & Industrials Ltd. .. .. J 668
New Era Consolidated.. S 275, J 276
New Guinea Goldfields Ltd. .. MR 669
New Jersey Zinc Co. .. .. C 327, 718
*New Kleinfontein Co. Ltd. .. A 144
New Klerksdorp Gold Estates Ltd. .. DR 117, 516, CS 450
Newman Industries Ltd. .. .. M 195, 336, 625
New Modderfontein Gold Mining Co. .. .. CS 450, J 480
Newmont Mines Corp. .. C 327
New Monteleo .. .. CS 758
New Nigel Estates & Gold Mining .. .. J 668
New State Areas Ltd. .. A 144, 537
New Vaal Farms .. .. .. J 668
New Union Goldfields Ltd. .. .. J 631, 668
Nigerian Consolidated Mines . J 147
Nigerian Electricity Supply Corp. .. .. .. J 251, ME 341
*Noranda Mines .. N 239, S 249
North British Rubber Co. MM 175
*North Broken Hill .. .. .. MM 201, CS 425, 481
*North Kalgurli (1912) Ltd. .. J 339, C 359, A 471, CS 509, ME 511, S 541
Northern Miner Press .. .. R 756
*Nundydroog Mines Ltd. J 340, MR 372, 509, 568, 757

O

O'Okiep Copper Co. Ltd. .. A 751
*Ooregum Gold Mining Co. .. J 340, MR 372, 509, 568, 757
Optima .. .. A 169
Organisation for European Economic Co-operation .. A 754

P

Pacific Northwest Alloys .. C 327
*Pahang Consolidated Ltd. .. MM 372, 484, J 699, ME 760
Pari Tin .. .. CS 50
Parkinson, Sir Lindsay & Co. ME 736
Parsons (C. A.) .. .. .. MM 372
Paterson Brokensha Pty. .. R 79
Pattani Tin Ltd. .. .. J 396, CS 601
Peach Uranium Mines .. .. A 503
*Pengkalen Ltd. J 114, ME 200
Perak River Hydro Electric Power Co. Ltd. J 542, ME 639
*Petaling Tin Ltd. .. .. MM 736
Phelps-Dodge Corporation .. C 499
Phoenix Prince .. .. J 49
Pioche Manganese Co. (Combined Metals) .. .. C 327
Platinum Metals Exhibition MM 344
Powell Duffryn N 386, J 396, ME 482
*President Brand Co. .. .. A 144, 537, S 479
*President Steyn Co. .. A 144, 537
Puket Tin Dredging Co. J 508, CS 672
Pulsometer Engineering Co. .. M 392

Q

*Quemont Mining Corporation A 472
Quin Press Ltd. .. .. R 300

R

Radiac Company Inc. .. .. M 195
*Randfontein Estates Gold Mining Co. A 144, S 339, J 630
Rand Leases (Vogelstruisfontein) .. .. .. DR 116, 516, A 144, 537, CS 734
*Rand Mines .. .. ME 704
*Rand Selection Corporation.. J 599, Div 604, 640
Rankin Inlet Nickel Mines C 72, 240
Ransomes & Rapier .. .. M 626
Rapp (Leo) Ltd. .. .. .. M 474
Rapid Magnetic Machine Co. Ltd. .. .. M 727
Rawang Concessions Ltd. .. J 114
Rawang Tin Fields Ltd. .. J 114
Rawlplug Company .. .. M 563
Renong Tin Dredging Co. Ltd. CS 784, S 448, J 508, ME 638
Resurrection Mining Co. .. C 163
Rezende Mines .. .. .. MR 699
R.F.D. Co. Ltd. .. .. .. M 18
*Rhodesian Anglo American Ltd. .. .. S 223, J 224, Div. 513, 571, DR 641
Rhodesian & General Asbestos Corporation .. .. N 265
*Rhodesia Katanga .. .. S 541
*Rhodesia Monteleo Asbestos S 395, 541, J 422, 542
*Rhodesian Selection Trust .. MM 121, N 358, J 449
Rhodesian Vanadium Corporation .. .. N 265
*Rhokana Corporation Ltd. S 223, J 224, 508, 630, ME 636
Richardsons Westgarth (Hartlepool) Ltd. .. .. .. A 335
Rickard (Thomas Arthur) .. Ob 510
Ribon Valley (Nigeria) Tinfields Ltd. .. .. J 668
Rimu Gold Dredging Co. .. N 618
Rip Bits Ltd. .. .. M 727

Rix-Athabasca Uranium Mines N 239, A 503
Roan Antelope Copper Mines Ltd. MM 121, J 306, 449, 630, ME 635, CS 758
*Robinson Deep Ltd. A 144, 537, MR 698
Rooderand Main Reef Mines .. CS 509
*Rose Deep Ltd. .. A 144, 537
Rosterman Gold Mines .. CS 758
Royal School of Mines R 476, N 618
R.P.R. Patents Ltd. .. .. M 220
Rubber Improvement Ltd. .. M 303
Rukuba Tin Mines .. .. CS 671
Ruston & Hornsby Ltd. A 335, 622
Rustenburg Platinum Mines .. A 470, CS 601
Ruston-Bucyrus .. MM 149

S

Safety Products Ltd. CS 425, M 474
*San Francisco Mines of Mexico Ltd. .. ME 52, C 163
San Manuel Copper Corporation .. .. C 499
Saudi Arabian Mining Syndicate .. .. MR 669
Scottish Australian Mining Co. CS 23, ME 53
Sebungwe Mines & Exploration Co. (Pvt.) Ltd. .. .. CS 510
Seismograph Services Ltd. .. C 411
*Selection Trust N 70, J 83, 630, ME 86, MM 121, S 198, CS 200, 632
Selukwe Gold Mining & Finance Co. .. .. .. CS 510
Sherritt Gordon C 72, 387, 719
Sherwood Starr Gold Mining Co. .. .. CS 758
*Siamese Tin Syndicate CS 84, ME 87
Sigmund Pumps Ltd. A 335, M 336
*Simmer & Jack .. A 144, 537
Simon, Carves, Ltd. .. .. A 622
Sione Tin (F.M.S.) Ltd. .. CS 758
Skinner, Thomas, & Co. (Publishers) Ltd. .. .. R 300, 664
Societe Co-operative de la Gazification Sous Terraine (Socogaz) .. .. N 214, A 218
Societe Miniere de Beceka .. C 214
Societe Nantaise des Minerals de l'Ouest .. .. .. N 266
Societe Tunisienne de L'Hyperphosphate Reno .. .. A 244
*Sons of Gwalia Ltd. .. J 22, ME 119
South African Coal Estates (Witbank) Ltd. ME 543, CS 671
*South African Land & Exp. Co. Ltd. .. .. .. S 697
S. African Torbanite Mining & Refining Co. Ltd. .. .. CS 425
South African Townships Mining & Finance Corp. .. CS 632
South Bukeru Areas J 250, 542, 670, CS 601, 703
*South Kalgurli Cons. Ltd. J 371, ME 452
*Southern Kinta Consolidated Ltd. .. .. J 371
*Southern Malayan Tin Dredging .. .. .. J 701, 732
South Roodepoort H.R. Areas A 144, 537
South State Uranium Mines .. A 503
*Southern Tronoh Tin Dredging .. .. .. J 701, 732
Spaarwater Gold Mining Co. Ltd. .. .. A 144
*Springs Mines Ltd. .. .. A 144
Star Explorations .. .. CS 758
Steel Company of Wales .. N 386
Steep Rock Iron Mines .. C 240
Stephens-Adamson Manufacturing Co. .. .. .. M 418
Stewarts & Lloyds Ltd. R 476, N 587
*Stilfontein Gold Mining Co. S 21, 392, A 144, 537, C 557, 687
*St. Helena Gold Mines .. A 144, 537, S 479
*St. John Del Rey Mining Co. S 21, 479, ME 25, C 656, MM 736
St. Joseph Lead Co. C 11, 386, 469
*Strathmore Consolidated Investments .. .. A 144, 537
Streamline Filters .. .. J 668
*Sub Nigel (Gold Fields Group) A 144, 537
Sullivan Mining Co. .. .. C 11
Sungei Besi Mines .. J 701, 732
*Sungei Kinta Tin Dredging Ltd. .. .. CS 115
Sungei Way Dredging Ltd. .. CS 758
Sunshine Mining Co. .. .. C 163

T

Tableland Tin Dredging N.L. .. C 587
Talerng Tin .. .. J 175
Tanami Gold Mining Syndicate Ltd. .. .. CS 758
Tanganyika Central Gold Mines .. .. .. CS 671
*Tanganyika Concessions Ltd. S 448, J 449
Tanganyika Diamond & Gold Development .. .. CS 671
Tanjong Tin Dredging .. ME 54
*Taquah & Abosso Mines .. S 395, 479, J 396
Tavoy Tin Dredging .. .. J 175
Tebekwe Mines .. .. MR 699
Tekka Ltd. .. J 567, ME 602
*Tekka Taiping S 370, ME 372
Temoh Tin Dredging Ltd. .. J 600, CS 671
Thunes Mekaniske Vaerksted M 301
T.I. Aluminium Ltd. .. .. A 335
Tikwah Mining Corporation .. N 656
Tin Fields of Nigeria .. .. CS 671
Tin Research Institute .. MM 344
Titanium Metals Corporation C 469
Tombstone Development Co. C 327
Tongkah Harbour Tin Dredging Ltd. .. .. .. CS 758
Toronto Star .. .. .. T 272
Trafik A/B Grangesberg-Oxlosund .. .. .. A 500
Transvaal & O.F.S. Chamber of Mines .. .. N 10, A 44
Transvaal Consolidated Land and Exploration CS 450, ME 704
Transvaal & Delagoa Bay .. CS 758
Transvaal Gold Mining Estates A 144, CS 200
Trepca Mines Ltd. J 568, CS 601, S 629
Trinidad Central Oilfields .. MR 757
Trinidad Consolidated Oilfields Ltd. .. .. MR 757
*Trinidad Leaseholds Ltd. .. J 668, MR 757, MM 758
Trinidad Petroleum Development .. J 481, 542, ME 544
Tromal Prospecting Co. A 267, J 567
*Tronoh Mines Ltd. MM 484, J 701, 731, ME 761
*Turner & Newell .. N 265, S 730

U

Uis Tin Mining Co. .. .. .. A 752
*Ultramar Co. Ltd. S 198, MR 757
U.N. Publications Sales R 45, 664
*Union Corporation Ltd. .. A 104, 144, 537, J 731
Union Free State Coal & Gold Mines Ltd. .. .. .. CN 345
Union Minière du Haut Katanga .. .. ME 24, C 162, A 532, R 656
Union Minière Africaine .. A 516
Union Oil Co.'s .. .. N 686
United Aluminium Works .. N 556
United Kingdom Mining Association .. .. .. CS 601
United States Atomic Energy Commission .. .. M 246
U.S. Bureau of Mines .. N 9, M 110, T 170, A 388, 506, R 756
U. S. Tin Corporation .. C 750
*United Tin Areas of Nigeria .. J 396
*Uruwira Minerals .. .. J 422

V

Vaal Reefs Exploration & Mining Co. Ltd. .. .. .. A 144, S 198, CS 200
*Van Dyk Consolidated Mines A 144, 537, S 274
Van Ryn Mines Estate Ltd. .. CS 510
*Venterspost Gold Mining .. S 479, J 480, A 537
Venture Ltd. .. .. .. N 38, C 719
Verde Exploration Ltd. .. .. C 327
Village Main Reef Gold Mining Co. (1934) Ltd. .. DR 116, 517
Virginia O.F.S. Gold Mining Co. .. DR 116, 517, A 144, 537
*Vlakfontein Gold Mining Co. Ltd. .. .. A 144, 537
*Vogelstruisbult Gold Mining Areas .. A 144, 537, MR 698

W

Waihi Minerals .. .. J 508
Waihi Gold Mining Co. .. .. N 618
Waihi Investment & Exploration Ltd. .. J 508, ME 514
Walker Bros. (Wigan) Ltd. MM 372
*Wankie Colliery Ltd. J 83, 276, 731, MM 201, 344, 484, S 339, N 386, ME 602, CS 758
*Watervaal (Rustenburg) Platinum .. .. CS 758
Welgedacht Exploration Co. .. A 144
*Welkom Gold Mining Co. A 144, 537
Wellington Alluvials Ltd. .. C 359
West Australian Petroleum Ltd. C 411
*West Driefontein Co. A 144, 537, S 274, MR 424, J 480
*Western Holdings A 144, 537, S 479
*Western Mining Corporation J 146, 250, C 215, 356, ME 343, MM 736
*Western Reefs Exploration & Development .. .. .. N 10, A 144, 537, C 557, 687, J 106
*West Rand Consolidated .. A 144, 537, S 339
*West Rand Investment Trust Ltd. .. .. S 21, 479
*West Witwatersrand Areas .. S 21, J 698
*Witbank Colliery Ltd. .. DR 603
Witwatersrand Deep .. .. J 668
Witwatersrand Extensions Ltd. J 542, 668
Witwatersrand Gold ("Knights") Mine .. A 144, 537, J. 174, S 173, 479, CS 734
Witwatersrand Nigel Ltd. .. A 144
Wolf Electric Tools .. M 367, 663
Wood (Hugh) & Co. .. .. M 475
Wright-Hargreaves .. .. C 240

Y

Yuba Consolidated Goldfields C 11

Z

Zenda Gold Mining Co. .. C 750
Zinc Corporation A 268, CS 758

The Mining Journal

—brings the World's Mining NEWS to the World's Mining MEN

Each week The Mining Journal reports on:—

- world economic and political trends in relation to mining
- developments in mining practice and equipment
- mining statistics of the principal countries and companies
- market prospects for the metals and minerals
- movements in the mining share markets

During last year The Mining Journal covered:-

- over 70 metals and minerals
- events and statistics in 75 countries
- the activities of some 500 mining companies

The Mining Journal is read in 70 countries

Subscription Rate £2 . 0 . 0 (post free anywhere)
(Second Class Air Mail Rates on Application)

Subscription orders to The Mining Journal, 15 Wilson Street, Moorgate, London, E.C.2. Phone: MONarch 2567

Printed in England for The Mining Journal Ltd. by Washburn, Southend. July 16, 1954